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L11: Entry 3 of 3

File: USPT

Dec 6, 2005

DOCUMENT-IDENTIFIER: US 6973378 B2

TITLE: In-vehicle control device communicatable with external communication system and in-vehicle LAN

Detailed Description Text (7):

The vehicular I/O module 4 communicates low speed data (slow data) with a control system LAN 21 installed in the vehicle. Furthermore, the vehicular I/O module 4 communicates high speed data (fast data) with an information system LAN 22 installed in the vehicle. The control system LAN 21 is formed by interconnecting various corresponding devices, such as various ECUs, which are involved in vehicle control operation. The information system LAN 22 is formed by interconnecting various corresponding devices, such as an automobile navigation system and a vehicular display device.

Detailed Description Text (48):

In addition to the Bluetooth communication device installation arrangement and/or the GPS receiver installation arrangement, the control module circuit board 13 can have a dedicated wireless LAN communication device installation arrangement, to which a wireless LAN communication device is installed, and/or a dedicated DSRC communication device installation arrangement, to which a DSRC communication device is installed.

CLAIMS:

2. The in-vehicle control device according to claim 1, wherein the control module has a control module circuit board that includes a dedicated radio communication device installation arrangement, which is adapted to receive and to operably connect with a radio communication device.

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Terms	Documents
L9 and L10	3

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DB=PGPB,USPT; PLUR=YES; OP=OR

<u>L11</u>	l9 and L10	3	<u>L11</u>
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<u>L10</u>	dedicated adj2 (radio adj communication)	44	<u>L10</u>
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<u>L9</u>	l7 and L8	179	<u>L9</u>
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<u>L8</u>	navigation	72501	<u>L8</u>
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<u>L7</u>	l5 same L6	395	<u>L7</u>
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<u>L6</u>	dsr	529	<u>L6</u>
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<u>L5</u>	bluetooth or (short adj range)	44994	<u>L5</u>
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DB=USPT; PLUR=YES; OP=OR

<u>L4</u>	proximity and L1	0	<u>L4</u>
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<u>L3</u>	proximity and L1	0	<u>L3</u>
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<u>L2</u>	short and l1	0	<u>L2</u>
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<u>L1</u>	7130743.pn.	1	<u>L1</u>
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Terms	Documents
L8 and L9	17

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<u>L10</u>	l8 and L9	17	<u>L10</u>
<u>L9</u>	day and time and week	234975	<u>L9</u>
<u>L8</u>	l6 and L7	37	<u>L8</u>
<u>L7</u>	traffic adj information	13224	<u>L7</u>
<u>L6</u>	l4 and L5	934	<u>L6</u>
<u>L5</u>	threshold adj value	212174	<u>L5</u>
<u>L4</u>	l2 and L3	18989	<u>L4</u>
<u>L3</u>	frequen\$ or often	3498919	<u>L3</u>
<u>L2</u>	travel same pattern	40493	<u>L2</u>
<u>L1</u>	travel near pattern	1232	<u>L1</u>

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Terms	Documents
L7 and L19	12

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L20



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L20	l7 and L19	12	L20
L19	l17 and L18	74	L19
L18	threshold	714319	L18
L17	l15 and L16	111	L17
L16	frequency or "often"	3497045	L16
L15	l13 and L14	128	L15
L14	predict\$	440160	L14
L13	l9 and L12	174	L13
L12	travel adj (pattern or history)	1093	L12
L11	travel adj pattern	742	L11
L10	l8 and L9	17	L10
L9	day and time and week	234975	L9
L8	l6 and L7	37	L8
L7	traffic adj information	13224	L7
L6	l4 and L5	934	L6
L5	threshold adj value	212174	L5
L4	l2 and L3	18989	L4

<u>L3</u>	frequen\$ or often	3498919	<u>L3</u>
<u>L2</u>	travel same pattern	40493	<u>L2</u>
<u>L1</u>	travel near pattern	1232	<u>L1</u>

END OF SEARCH HISTORY